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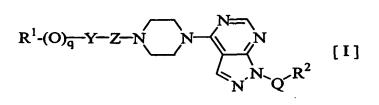
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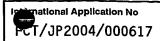
(54) Title: A PYRAZOLOPYRIMIDINE COMPOUND AND A PROCESS FOR PREPARING THE SAME



(57) Abstract: The present invention provides a novel pyrazolopyrimidine compound of the formula [I]: wherein R' is (A) a substituted aryl group, (B) an optionally substituted nitrogen-containing aliphatic heteromonocyclic group, (C) a substituted cyclo-lower alkyl group, (D) an optionally substituted amino group, or (E) a substituted heteroaryl group, R² is (a) an optionally substituted heteroaryl group or (b) an optionally substituted aryl group, Y is a single bond, a lower alkylene group or a lower alkenylene group, Z is a group of the formula: -CO-, -CH2-, -S02- or a group of the formula[II]: O is a lower alkylene group, and q is an integer of 0 or 1 or a pharmaceutically acceptable sait thereof, which has a small conductance potassium channel (SK channel) blocking activity and is useful as a medicament and a process for preparing the same.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT



A. CLASSII IPC 7	CO7D487/04 CO7D519/00 A61K3 //(CO7D487/04,239:00,231:00),(C		25/00
According to	International Patent Classification (IPC) or to both national class	ssification and IPC	
	SEARCHED		
Minimum do IPC 7	cumentation searched (classification system followed by classi ${\tt C07D}$	fication symbols)	
Documentat	ion searched other than minimum documentation to the extent t	hal such documents are included in the fields se	earched
Electronic d	ata base consulted during the international search (name of da	ta base and, where practical, search terms used	1)
EPO-In	ternal, CHEM ABS Data, PAJ, WPI D	ata ·	
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the	ne relevant passages	Relevant to claim No.
A	WO 02/079189 A (TANABE SEIYAKU TAKAMURO IWAO (JP); HOMMA KOIO ISHIDA AKIH) 10 October 2002 (cited in the application page 1, line 5 page 3, formula (I) page 22, formula (I-h) page 27, formulae page 39, line 10 - line 16	HI (JP);	1-22
Furl	ther documents are listed in the continuation of box C.	χ Patent family members are listed	in annex.
	ategories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international		"T" later document published after the int or priority date and not in conflict will cited to understand the principle or it invention	h the application but heory underlying the
filing		"X" document of particular relevance; the cannot be considered novel or canno involve an inventive step when the d	ot be considered to
which cltatio	ent which may inflow doubs on promy cariffs of in its cited to establish the publication date of another on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or	"Y" document of particular relevance; the cannot be considered to involve an indocument is combined with one or many combi	claimed invention nventive step when the nore other such docu-
'P' docum	means ent published prior to the international filing date but than the priority date claimed	ments, such combination being obvious in the art. *&* document member of the same paten	
Date of the	actual completion of the international search	Date of mailing of the international se	arch report
1	14 July 2004	27/07/2004	
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
	NL – 2280 HV R swi]k Tel. (+31-70) 340~2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Hoepfner, W	



Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 19-22 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
2. X all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Demark on Brotont
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 19-22 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No	
FT/JP2004/000617	

Patent document cited in search report	t	Publication date		Patent family member(s)	Publication date
WO 02079189	Α	10-10-2002	EP WO	1373247 A2 02079189 A2	02-01-2004 10-10-2002
			JP	2003252871 A	10-09-2003
			US	2004106635 A1	03-06-2004